

### **Product designation**

**Umbrella Para 220 FB**  
With front focusing device

Article no. 33.485.00

### **Product description**

Parabolic umbrella with 24 braces, diameter 220 cm and very shiny silver coating on the inside. Very precise front focusing device. Optimised for operation with Pulso G, Unilite, Ringflash P, Pulso Twin\* and Pulso 8\* lamps. Can also be used with the broncolor daylight lamp HMI F575.800\*.

The design of the Para 220 FB results in a very high light efficiency. It allows the choice of directed light with high contrast to extremely soft light. In comparison to a large area lamp the light stays constantly brilliant, shrouding the object like a cloud of light and bringing out wonderfully the structures. Due to the calculated parabolic shape of the umbrella, light fall off towards the edges is negligible.

In the apex of the umbrella, that means at the back of the Para FB, there is a crank handle. Using that crank handle, when mounting, the new mechanism opens up and tensions the umbrella completely, without any effort. The aluminum rod with continuous fine adjustment, and lamp support serve for focusing the light source, by sliding the lamp parallel to optical axis. The focusing device is integrated in the umbrella.

To stabilize the Para 220 FB also under unfavorable conditions, for example in the open air, eight fastening-eyelets are integrated on the outer side. With these, the umbrella can be suspended from the ceiling or secured on the ground by means of tension ropes. It can be shut like a normal umbrella and folded lengthways like a pocket umbrella for transport and storage.

### **Scope of delivery**

Umbrella Para 220 FB with tilt head, focusing device, support for lamp, hexagon socket spanner, four tension ropes, protecting glass mat for Pulso G lamp (5500 K) and mounting instructions.

Stand, lamp as well as diffusers must be ordered separately.

### **Technical data**

Measured values for 3200J, 100 ISO	focused	Medium setting	defocused
f-stop at distance of 2 m / 6 ½ ft.	128 3/10	90 7/10	90 1/10
f-stop at distance of 4 m / 13 ft.	90	45 4/10	32 1/10

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f-stop at distance of 10 m / 32.8 ft.	32 8/10	22	11 5/10
Dimensions – open (without stand)		Ø 220 x 160 cm / Ø 7.2 x 5.2 ft.	
Dimensions – closed (without stand)		Ø 28 x 120 cm / Ø 0.9 x 3.9 ft.	
Weight kg /lb		9,1 / 20	

### **Compatibility**

Lamps	Pulso G, Unilite, Ringflash P Pulso Twin*, Pulso 8*, Pulso F2/F4*, Primo, broncolor HMI F575.800*
	*) Modification set „stand holder“ art. no. S0031.00 required

### **Accessories**

Diffuser No. 1	Article no. 33.464.00
Diffuser No. 2	Article no. 33.465.00
Diffuser No. 3	Article no. 33.466.00
Tilt head with crank handle for Para	Article no. 33.477.00
Lamp extension cable 5 m / 16.4 ft.	Article no. 34.151.00
Lamp extension cable 10 m / 32.8 ft.	Article no. 34.152.00
Stand XXL AC	Article no. 35.114.00
Bag for Para 220 / 330	Article no. 36.514.00
Protecting glass, mat (5500 K) for HMI F575.800	Article no. 44.102.55
Repair Set for Para	Article no. 40333.00

### **Special features**

The focusing device of the Para 220 FB makes it possible to use different light angles. A further speciality is an asymmetric adjustment possibility, which permits to swivel the lamp head of the umbrella in a particular radius away from the optical axis or directly forwards. This enables to choose a different light characteristic.

For an even illumination, the enclosed mat protection glass must be used.

For the Pulso 8, Twin, F2/F4 lamps as well as the daylight lamp broncolor HMI F575.800, the modification set “stand holder”, article no. S0031.00, is required.

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If the Para 220 FB is equipped with the Primo lamp, there are some restrictions with regard to illumination, the light efficiency as well as the possibilities of variation of the light characteristic.

### **Application**

All areas of flash light photography, especially for people and location photography. Giant umbrellas like Para 220 FB meet a trend in fashion, people and beauty photography, but are also successfully used in the large area of still life photography. Para 220 FB can be used in the studio as well as on location. Because of the possibility to move the lamp head within the umbrella, many different light effects are created.